

RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 09/994,412A
Source: FW16
Date Processed by STIC: 2/11/05

ENTERED



IFW16

RAW SEQUENCE LISTING

DATE: 02/11/2005

PATENT APPLICATION: US/09/994,412A

TIME: 08:32:46

Input Set : A:\20787us.app

Output Set: N:\CRF4\02112005\I994412A.raw

```

3 <110> APPLICANT: CERTA, ULRICH
4      LUNDSTROM, KENNETH
6 <120> TITLE OF INVENTION: INHIBITION OF EXPRESSION OF A TARGET GENE
8 <130> FILE REFERENCE: 20787 US
10 <140> CURRENT APPLICATION NUMBER: 09/994,412A
11 <141> CURRENT FILING DATE: 2001-11-27
13 <150> PRIOR APPLICATION NUMBER: EP 00126113.0
14 <151> PRIOR FILING DATE: 2000-11-29
16 <160> NUMBER OF SEQ ID NOS: 3
18 <170> SOFTWARE: PatentIn Ver. 3.3
20 <210> SEQ ID NO: 1
21 <211> LENGTH: 1299
22 <212> TYPE: RNA
23 <213> ORGANISM: Homo sapiens
25 <400> SEQUENCE: 1
26 auguugggca acucugcgcc ggggccugcg acccgcgagg cgggcucggc gcugcuagca 60
27 uugcagcaga cggcgcucca agaggaccag gagaauauca acccggaaaa ggcagcgccc 120
28 guccaacaac cgcggacccg ggccgcgcug gcgguacuga aguccgggaa cccgcggggg 180
29 cuagcgagc agcagaggcc gaagacgaga cggguugcac ccuuaagga ucuuccugua 240
30 aaugaugagc augucaccgu uccuccuugg aaagcaaaca guaaacagcc ugcguuaccc 300
31 auucaugugg auccagcaga aaaagaagcu cagaagaagc cagcugaauu ucaaaaaaua 360
32 gagcgugaag augcccuggc uuuaauuca gccauuaguu uaccuggacc cagaaaacca 420
33 uuggucccuc uugauuaucc aauggauggu aguuuugagu caccacauac uauggacaug 480
34 ucaauugauu uagaagauga aaagccagug aguguuaaug aaguaccaga cuaccaugag 540
35 gauauucaca cauaccuag ggaauggag guuaaangua aaccuaaagu ggguuacaug 600
36 aagaaacagc cagacaucac uacagauag agagcuaucc ucguggacug guuaguugaa 660
37 guaggagaag aaauaaaacu acagaauag agccugcauu uggcugugaa cuacauugau 720
38 agguuccugu cuuccauguc agugcugaga ggaaaacuuc agcuuguggg cacugcugcu 780
39 augcuguuag ccucaaaguu ugaagaaaua uacccccag aaguagcaga guuuguguac 840
40 auuacagaug auaccuacac caagaaacaa guucugagaa uggagcaucu aguuuugaaa 900
41 guccuuacuu uugacuuagc ugcuccaaca guaaaucagu uucuuacca auacuuucug 960
42 caucagcagc cugcaaacug caaaguugaa aguuuagcaa uguuuuuggg agaauuaagu 1020
43 uugauagaug cugacccaua ccucaaaguau uugccaucag uuauugcugg auccgccuuu 1080
44 cauuuagcac ucuacacagu cacgggacaa agcuggccug aaucuuuau acgaaagacu 1140
45 ggauauaccc uggaaagucu uaagccuugu cucauggacc uucaccagac cuaccucaa 1200
46 gcaccacagc augcacaaca gucaauaaga gaaaaguaca aaaaaucaaa guaucauggu 1260
47 guuucucucc ucaaccacc agagacacua aaucuguaa 1299
50 <210> SEQ ID NO: 2
51 <211> LENGTH: 1197
52 <212> TYPE: RNA
53 <213> ORGANISM: Homo sapiens
55 <400> SEQUENCE: 2
56 auggcgcugc uccgacgccc gacggugucc agugauuugg agaauauuga cacaggaguu 60

```

RAW SEQUENCE LISTING

DATE: 02/11/2005

PATENT APPLICATION: US/09/994,412A

TIME: 08:32:46

Input Set : A:\20787us.app

Output Set: N:\CRF4\02112005\I994412A.raw

```

57 aaauucuaaag uuaagaguca ugugacuauu aggcgaacug uuuuagaaga aaauuggaaau 120
58 agaguuacaa ccagagcagc acaaguagcu aagaaagcuc agaacaccaa aguuccaguu 180
59 caaccaccaa aaacaacaaa ugucaacaaa caacugaaac cuacugcuuc ugucaaacca 240
60 guacagaugg aaaaguuggc uccaaagggg ccuucucca caccugagga ugucuccaug 300
61 aaggaagaga aucucugcca agcuuuuucu gaugccuugc ucugcaaaau cgaggacauu 360
62 gaaacgaag auugggagaa ccucagcuc ugcagugacu acguuaagga uaucuaucag 420
63 uaucuaggc agcuggaggu uuugcagucc auaaaccac auuucuuaa uggaagagau 480
64 auaauggac gcaugcgugc cauccuagug gaucgcugg uacaagucca cuccaaguuu 540
65 aggcucugc aggagacucu guacaugugc guuggcauu uggaucgauu uuucagguu 600
66 cagccaguuu cccggaagaa gcuucaauua guugggauua cugcucugcu cuuggcuucc 660
67 aaguaugagg agauguuuc uccaaauuu gaagacuug uuucaucac agacaugcu 720
68 uauaccaguu cccaauccg agaauggaa acucuaauu ugaaagaau gaaauugag 780
69 uugggucgac ccuugccacu acacuucua aggcgagcau caaaagccg ggagguugau 840
70 guugaacagc acacuuaugc caaguauuug auggagcuga cucucaucga cuaugauug 900
71 gugcauuau aucuucuaa gguagcagca gcugcuuccu gcuugucuca gaaggauca 960
72 ggacaaggaa aauggaacuu aaagcagcag uauuacacag gauacacaga gaaugaagua 1020
73 uuggaaguca ugcagcaca ggccaagaau guggugaaag uaaaugaaaa cuuaacuaaa 1080
74 uucaucgcca ucaagaauaa guaugcaagc agcaaaccucc ugaagaucag caugauccu 1140
75 cagcugaacu caaaagccgu caaagaccuu gccuccccac ugauaggaag guccuag 1197
78 <210> SEQ ID NO: 3
79 <211> LENGTH: 10610
80 <212> TYPE: DNA
81 <213> ORGANISM: Artificial Sequence
83 <220> FEATURE:
84 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
85     vector sequence
87 <400> SEQUENCE: 3
88 gatggcggat gtgtgacata cagcagcca aaagattttg ttccagctcc tgccacctcc 60
89 gctacgcgag agattaacca cccacgatgg ccgccaaagt gcatgttgat attgaggctg 120
90 acagccatt catcaagtct ttgcagaagg catttcgctc gttcgagggtg gagtcattgc 180
91 aggtcacacc aaatgaccat gcaaagcca gagcattttc gcacctggct accaaattga 240
92 tcgagcagga gactgacaaa gacacactca tcttgatata cggcagtgcg ccttcagga 300
93 gaatgatgtc tacgcacaaa taccactgcg tatgccctat gcgcagcgca gaagaccccc 360
94 aaaggctcga tagctacgca aagaaactgg cagcggcctc cgggaagggtg ctggatagag 420
95 agatcgagg aaaaatcacc gacctgcaga ccgtcatggc tacgccagac gctgaatctc 480
96 ctaccttttg cctgcataca gacgtcacgt gtcgtacggc agccgaagtg gccgtatacc 540
97 aggacgtgta tgctgtacat gcaccaacat cgctgtacca tcaggcgatg aaagggtgca 600
98 gaacggcgta ttggattggg tttgacacca ccccgtttat gtttgacgag ctagcaggcg 660
99 cgtatccaac ctacgccaca aactgggccg acgagcaggt gttacaggcc aggaacatag 720
100 gactgtgtgc agctccttg actgaggaa gactcgcaa actgtccatt ctccgcaaga 780
101 agcaattgaa accttgcgac acagtcattg tctcggtagg atctacattg tacactgaga 840
102 gcagaaagct actgaggagc tggcacttac cctccgtatt ccacctgaaa ggtaaacaat 900
103 cctttacctg taggtgcgat accatcgat catgtgaagg gtacgtagtt aagaaaatca 960
104 ctatgtgccc cggcctgtac ggtaaaacgg tagggtacgc cgtgacgtat cagcggagg 1020
105 gattcctagt gtgcaagacc acagacactg tcaaaggaga aagagtctca ttccctgtat 1080
106 gcacctacgt cccctcaacc atctgtgatc aaatgactgg catactagcg accgacgtca 1140
107 caccggagga cgcacagaag ttgttagtgg gattgaatca gaggatagtt gtgaacggaa 1200
108 gaacacagcg aaacactaac acgatgaaga actatctgct tccgattgtg gccgtcgcat 1260
109 ttagcaagtg ggcgagggaa tacaaggcag accttgatga tgaaaaacct ctgggtgtcc 1320

```

RAW SEQUENCE LISTING

DATE: 02/11/2005

PATENT APPLICATION: US/09/994,412A

TIME: 08:32:46

Input Set : A:\20787us.app

Output Set: N:\CRF4\02112005\I994412A.raw

```

110 gagagaggtc acttacttgc tgctgcttgt gggcatttaa aacgaggaag atgcacacca 1380
111 tgtacaagaa accagacacc cagacaatag tgaaggtgcc ttcagagttt aactcgttcg 1440
112 tcatcccagag cctatggtct acaggcctcg caatcccagt cagatcacgc attaatgatc 1500
113 ttttggccaa gaagaccaag cgagagttaa tacctgttct cgacgcgtcg tcagccaggg 1560
114 atgctgaaca agaggagaag gagaggttgg aggccgagct gactagagaa gccttaccac 1620
115 cctcgtcccc catcgcgccg gcggagacgg gagtcgtcga cgctgacgtt gaagaactag 1680
116 agtatcacgc aggtgcaggg gtcgtggaaa cacctcgagc cgcttgaaa gtcaccgcac 1740
117 agccgaacga cgtactacta ggaaattacg tagttctgtc cccgcagacc gtgctcaaga 1800
118 gctccaagtt ggcccccggtg caccctctag cagagcaggt gaaaataata acacataacg 1860
119 ggagggccgg cggttaccag gtcgacggat atgacggcag ggtcctacta ccatgtggat 1920
120 cggccattcc ggtccctgag tttcaggctt tgagcgagag cgccactatg gtgtacaacg 1980
121 aaagggagtt cgtcaacagg aaactatacc atattgccgt tcacggaccc tcgctgaaca 2040
122 ccgacgagga gaactacgag aaagtcagag ctgaaagaac tgacgccgag tacgtgttcg 2100
123 acgtagataa aaaatgctgc gtcaagagag aggaagcgtc gggtttgggtg ttggtgggag 2160
124 agctaaccaa cccccgttc catgaattcg cctacgaagg gctgaagatc aggccgtcgg 2220
125 caccatataa gactacagta gtaggagtct ttgggggtcc gggatcaggc aagtctgcta 2280
126 ttattaagag cctcgtgacc aaacacgatc tggtcaccag cggcaagaag gagaactgcc 2340
127 aggaaatagt taacgacgtg aagaagcacc gcgggaaggg gacaagtagg gaaaacagtg 2400
128 actccatcct gctaaacggg tgctgctcgtg ccgtggacat cctatatgtg gacgaggctt 2460
129 tcgcttgcca tcccggtaact ctgctggccc taattgctct tgttaaacct cggagcaaag 2520
130 tgggtgttatg cggagacccc aagcaatgcg gattcttcaa tatgatgcag cttaaggtga 2580
131 acttcaacca caacatctgc actgaagtat gtcataaaaag tatatccaga cgttgcacgc 2640
132 gtccagtcac ggccatcggtg tctacgttgc actacggagg caagatgcgc acgaccaacc 2700
133 cgtgcaacaa acccataatc atagacacca caggacagac caagcccaag ccaggagaca 2760
134 tcgtgttaac atgcttccga ggctgggcaa agcagctgca gttggactac cgtggacacg 2820
135 aagtcattgac agcagcagca tctcagggcc tcaccgcgaa aggggtatac gccgtgaaggc 2880
136 agaaggtgaa tgaaaatccc ttgtatgccc ctgctcgga gcacgtgaat gtactgctga 2940
137 cgcgcactga ggataggctg gtgtggaaaa cgctggccgg cgatccctgg attaatgtcc 3000
138 tatcaaacat tccacagggt aactttacgg ccacattgga agaattggca gaagaacacg 3060
139 acaaaataat gaaggtgatt gaaggaccgg ctgcgcctgt ggacgcgttc cagaacaaag 3120
140 cgaacgtgtg ttgggcgaaa agcctggtgc ctgtcctgga cactgccgga atcagattga 3180
141 cagcagagga gtggagcacc ataattacag catttaagga ggacagagct tactctccag 3240
142 tgggtggcctt gaatgaaatt tgcaccaagt actatggagt tgacctggac agtggcctgt 3300
143 tttctgcccc gaaggtgtcc ctgtattacg agaacaacca ctgggataac agacctggtg 3360
144 gaaggatgta tggattcaat gccgcaacag ctgccaggct ggaagctaga cataccttcc 3420
145 tgaaggggca gtggcatagc ggcaagcagg cagttatcgc agaaagaaaa atccaaccgc 3480
146 tttctgtgct ggacaatgta attcctatca accgcaggct gccgcacgcc ctggtggctg 3540
147 agtacaagac ggttaaaggc agtagggttg agtggctggt caataaagta agagggtacc 3600
148 acgtcctgct ggtgagttag tacaacctgg ctttgccctg acgcgacgtc acttggttgt 3660
149 caccgctgaa tgtcacaggc gccgataggt gctacgacct aagtttagga ctgccggctg 3720
150 acgcccggcag gttcgacttg gtctttgtga acattcacac ggaattcaga atccaccact 3780
151 accagcagtg tgtcgaccac gccatgaagc tgcagatgct tgggggagat gcgctacgac 3840
152 tgctaaaacc cggcggcatc ttgatgagag cttacggata cgccgataaa atcagcgaag 3900
153 ccgttgtttc ctccttaagc agaaagttct cgtctgcaag agtgttgccg ccgattgtg 3960
154 tcaccagcaa tacagaagtg ttcttgctgt tctccaactt tgacaacgga aagagaccct 4020
155 ctacgctaca ccagatgaat accaagctga gtgccgtgta tgccggagaa gccatgcaca 4080
156 cggccgggtg tgcaccatcc tacagagtta agagagcaga catagccacg tgcacagaag 4140
157 cggctgtggt taacgcagct aacgccgtg gaactgtagg ggatggcgta tgcagggccg 4200
158 tggcgaagaa atggccgtca gcctttaagg gagcagcaac accagtgggc acaattaaaa 4260

```

RAW SEQUENCE LISTING

DATE: 02/11/2005

PATENT APPLICATION: US/09/994,412A

TIME: 08:32:46

Input Set : A:\20787us.app

Output Set: N:\CRF4\02112005\I994412A.raw

159	cagtcacgtg	cggctcgtac	cccgtcatcc	acgctgtagc	gcctaatttc	tctgccacga	4320
160	ctgaagcgga	aggggaccgc	gaattggccg	ctgtctaccg	ggcagtggcc	gccgaagtaa	4380
161	acagactgtc	actgagcagc	gtagccatcc	cgctgctgtc	cacaggagtg	ttcagcggcg	4440
162	gaagagatag	gctgcagcaa	tccctcaacc	atctattcac	agcaatggac	gccacggacg	4500
163	ctgacgtgac	catctactgc	agagacaaaa	gttgggagaa	gaaaatccag	gaagccattg	4560
164	acatgaggac	ggctgtggag	ttgtcfaatg	atgacgtgga	gctgaccaca	gacttggtga	4620
165	gagtgcaccc	ggacagcagc	ctggtgggtc	gtaagggtca	cagtaccact	gacgggtcgc	4680
166	tgtactcgta	ctttgaaggt	acgaaattca	accaggctgc	tattgatatg	gcagagatac	4740
167	tgacgtttgtg	gcccagactg	caagaggcaa	acgaacagat	atgcctatac	gcgctgggcg	4800
168	aaacaatgga	caacatcaga	tccaaatgtc	cgggtgaacga	ttccgattca	tcaacacctc	4860
169	ccaggacagt	gccctgcctg	tgccgctacg	caatgacagc	agaacggatc	gcccgcctta	4920
170	ggtcacacca	agttaaaagc	atggtggttt	gctcatcttt	tcccctcccg	aaataccatg	4980
171	tagatggggt	gcagaaggta	aagtgcgaga	aggttctcct	gttcgaccgc	acggtacctt	5040
172	cagtggttag	tccgcggaag	tatgccgcat	ctacgacgga	ccactcagat	cggtcgttac	5100
173	gaggggtttga	cttgactggg	accaccgact	cgtcttcac	tgccagcgat	accatgtcgc	5160
174	taccagttt	gcagtcgtgt	gacatcgact	cgatctacga	gccaatggct	cccatagtag	5220
175	tgacggctga	cgtacaccct	gaacccgcag	gcacgcgga	cctggcgcca	gatgtgcacc	5280
176	ctgaacccgc	agaccatgtg	gacctggaga	acccgattcc	tccaccgcgc	ccgaagagag	5340
177	ctgcatacct	tgcctcccgc	gcggcggagc	gaccggtgcc	ggcgccgaga	aagccgacgc	5400
178	ctgccccaa	gactgcgttt	aggaacaagc	tgcccttgac	gttcggcgac	tttgacgagc	5460
179	acgaggtcga	tgcggtggcc	tccgggatta	ctttcgga	cttcgacgac	gtcctgcgac	5520
180	taggccgcgc	gggtgcatat	attttctcct	cggacactgg	cagcggacat	ttacaacaaa	5580
181	aatccgttag	gcagcacaat	ctccagtgcg	cacaactgga	tgcggtccag	gaggagaaaa	5640
182	tgtacccgcc	aaaattggat	actgagaggg	agaagctggt	gctgctgaaa	atgcagatgc	5700
183	acccatcgga	ggctaataag	agtcgatacc	agtcctcgaa	agtggagaac	atgaaagcca	5760
184	cggtggtgga	caggctcaca	tcgggggcca	gattgtacac	gggagcggac	gtaggccgca	5820
185	taccaacata	cgcggttcgc	taccccgcc	ccgtgtactc	ccctaccgtg	atcgaaagat	5880
186	tctcaagccc	cgatgtagca	atcgacgcgt	gcaacgaata	cctatccaga	aattacccaa	5940
187	cagtggcgctc	gtaccagata	acagatgaat	acgacgcata	cttgacatg	gttgacgggt	6000
188	cggatagttg	cttgacagaa	gcgacattct	gcccggcgaa	gctccggtgc	taccgaaac	6060
189	atcatgcgta	ccaccagccg	actgtacgca	gtgccgtccc	gtcacccttt	cagaacacac	6120
190	tacagaacgt	gctagcggct	gccaccaaga	gaaactgcaa	cgtcacgcaa	atgcgagaac	6180
191	taccacccat	ggactcggca	gtgttcaacg	tggagtgcct	caagcgctat	gcctgctccg	6240
192	gagaatattg	ggaagaatat	gctaacaac	ctatccggat	aaccactgag	aacatcacta	6300
193	cctatgtgac	caaattgaaa	ggcccgaag	ctgctgcctt	gttcgctaag	accacaact	6360
194	tggttcgcgt	gcaggaggtt	cccatggaca	gattcacggt	cgacatgaaa	cgagatgtca	6420
195	aagtcaactcc	agggacgaaa	cacacagagg	aaagacccaa	agtccaggta	attcaagcag	6480
196	cggagccatt	ggcgaccgct	tacctgtgcg	gcacccacag	ggaattagta	aggagactaa	6540
197	atgctgtggt	acgccctaac	gtgcacacat	tggttgatat	gtcggccgaa	gactttgacg	6600
198	cgatcatcgc	ctctcacttc	caccagagag	accgggttct	agagacggac	attgcatcat	6660
199	tcgacaaaag	ccaggacgac	tccttggctc	ttacaggttt	aatgatcctc	gaagatctag	6720
200	gggtggatca	gtacctgctg	gacttgatcg	aggcagcctt	tggggaaata	tccagctgtc	6780
201	acctaccaac	tggcacgcgc	ttcaagttcg	gagctatgat	gaaatcgggc	atgtttctga	6840
202	ctttgtttat	taacactgtt	ttgaacatca	ccatagcaag	cagggtactg	gagcagagac	6900
203	tactgactc	cgctgtgcg	gccttcatcg	gcgacgacaa	catcgttcac	ggagtgatct	6960
204	ccgacaagct	gatggcggag	aggtgcgcgt	cgtgggtcaa	catggaggtg	aagatcattg	7020
205	acgctgtcat	ggcgaaaaaa	cccccatatt	tttgtggggg	attcatagtt	tttgacagcg	7080
206	tcacacagac	cgctgccgt	gtttcagacc	cacttaagcg	cctgttcaag	ttgggtaagc	7140
207	cgctaacagc	tgaagacaag	caggacgaag	acaggcgacg	agcactgagt	gacgaggtta	7200

RAW SEQUENCE LISTING

DATE: 02/11/2005

PATENT APPLICATION: US/09/994,412A

TIME: 08:32:46

Input Set : A:\20787us.app

Output Set: N:\CRF4\02112005\I994412A.raw

```

208 gcaagtgggt cgggacaggc ttggggggccg aactggaggt ggcactaaca tctaggtatg 7260
209 aggtagaggg ctgcaaaagt atcctcatag ccatggccac cttggcgagg gacattaagg 7320
210 cgtttaagaa attgagagga cctgttatac acctctacgg cggtcctaga ttggtgcgtt 7380
211 aatacacaga attctgattg gatccccgtc cgaagcgcg cttccccgga actcgagttc 7440
212 actagtcatg cccgcggccg ctttcgaacc taggcaagca tgcgggcccc gtgggtaatt 7500
213 aattgaatta catcctacg caaacgtttt acggccgccc gtggcgcccg cgcccggcgg 7560
214 cccgtccttg gccgttgtag gccactccgg tggctcccgt cgtccccgac ttccaggccc 7620
215 agcagatgca gcaactcatc agcgccgtaa atgcgctgac aatgagacag aacgcaattg 7680
216 ctctgtctag gagcttaatt cgacgaataa ttggattttt attttatttt gcaattgggt 7740
217 tttaatatatt ccaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 7800
218 aaaaaaaaaa aaaaaaaaaa aactagaaat cgcgattttt agtctgcatt aatgaatcgg 7860
219 ccaacgcgcg gggagaggcg gtttgctat tgggcgctct tccgcttctt cgtcactga 7920
220 ctgctgcgcg tcggtcggtt ggctgcggcg agcggatatc gctcactcaa aggcggtaat 7980
221 acggttatcc acagaatcag gggataacgc aggaagaac atgtgagcaa aaggccagca 8040
222 aaaggccagg aaccgtaaaa aggcgcggtt gctggcggtt ttccataggc tccgcccccc 8100
223 tgacgagcat cacaaaaatc gacgctcaag tcagaggtgg cgaaacccga caggactata 8160
224 aagataccag gcgtttcccc ctggaagctc cctcgtgcgc tctcctgttc cgaccctgcc 8220
225 gcttaccgga tacctgtccg cttttctccc ttcgggaagc gtggcgcttt ctcaatgctc 8280
226 gcgctgtagg tatctcagtt cgggttaggt cgttcgctcc aagctgggct gtgtgcacga 8340
227 acccccgtt cagcccagcc gctgcgcctt atccggtaac tatcgtcttg agtccaaccc 8400
228 ggtaagacac gacttatcgc cactggcagc agccactggg aacaggatta gcagagcgag 8460
229 gtatgtaggc ggtgctacag agttcttgaa gtggtggcct aactacggct acactagaag 8520
230 gacagtattt ggtatctgcg ctctgctgaa gccagttacc ttcggaaaaa gaggttgtag 8580
231 ctcttgatcc ggcaaacaaa ccaccgctgg tagcggtggt ttttttggtt gcaagcagca 8640
232 gattacgcgc agaaaaaaag gatctcaaga agatcctttg atcttttcta cggggtctga 8700
233 cgctcagtg gaaacaaaact cacgttaagg gattttggtc atgagattat caaaaaggat 8760
234 cttcacctag atccttttaa attaaaaatg aagtttttaa tcaatctaaa gtatatatga 8820
235 gtaaaacttg tctgacagtt accaatgctt aatcagtgag gcacctatct cagcgatctg 8880
236 tctatttcgt tcatccatag ttgctgact ccccgctcgt tagataacta cgatacggga 8940
237 gggcttacca tctggcccc a gtgctgcaat gataccgca gaccacgct caccggtccc 9000
238 agatttatca gcaataaacc agccagccgg aagggccgag cgcagaagt gtcctgcaac 9060
239 tttatccgcc tccatccagt ctattaattg ttgccgggaa gctagagtaa gtagtccgcc 9120
240 agttaatagt ttgcgcaacg ttgttgccat tgctacaggc atcgtggtgt cacgctcgtc 9180
241 gtttggtatg gcttcattca gctccggttc ccaacgatca aggcgagtta catgatcccc 9240
242 catgttgtgc aaaaaagcgg ttagctcctt cggtcctccg atcgttgtca gaagtaagtt 9300
243 ggccgcagtg ttatcactca tggttatggc agcactgcat aattctctta ctgtcatgcc 9360
244 atccgtaaga tgcttttctg tgactggtga gtactcaacc aagtcattct gagaatagt 9420
245 tatgcccga cagagttgct cttgccggcg gtcaatacgg gataataccg cgccacatag 9480
246 cagaacttta aaagtgtc t catttgaaa acggtcttcg gggcgaaaac tctcaaggat 9540
247 cttaccgctg ttgagatcca gttcgatgta acccaactgc gcaccaact gatcttcagc 9600
248 atcttttact ttaccagcg tttctgggtg agcaaaaaca ggaaggcaaa atgccgcaaa 9660
249 aaaggggaata agggcgacac ggaaatgttg aatactcata ctcttccttt ttcaatatta 9720
250 ttgaagcatt tatcagggtt attgtctcat gagcggatac atatttgaat gtatttagaa 9780
251 aaataaacia ataggggttc cgcgcacatt tccccgaaaa gtgccacctg acgtctaaga 9840
252 aaccattatt atcatgacat taacctataa aaataggcgt atcacgaggc cttttcgtct 9900
253 cgcgcgtttc ggtgatgacg gtgaaaacct ctgacacatg cagctcccgg agacggtcac 9960
254 agcttctgtc taagcggatg ccgggagcag acaagcccgt cagggcgctg cagcgggtgt 10020
255 tggcgggtgt cggggctggc ttaactatgc ggcatacagag cagattgtac tgagagtga 10080
256 ccatatcgac gctctccctt atgcgactcc tgcattagga agcagcccag tactaggttg 10140

```

VERIFICATION SUMMARY

DATE: 02/11/2005

PATENT APPLICATION: US/09/994,412A

TIME: 08:32:47

Input Set : A:\20787us.app

Output Set: N:\CRF4\02112005\I994412A.raw